

FEB. 2. 2004 3:52PM

CALFEE HALTER GRISWOLD

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CALFEE, HALTER & GRISWOLD LLP

February 2, 2004

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FROM: John E. Miller, Esq.
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CLIENT NO.: 21422/04022

CLIENT NAME: Univ. of South Florida

NUMBER OF PAGES (including this page): 13

MESSAGE: U.S. Patent and Trademark Office Filing

Re: Serial No. 09/869,653
Title: FLUORESCENCE BASED LIQUID CORE WAVEGUIDE

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[PAGE 1/14 * RCVD AT 2/2/2004 3:50:54 PM [Eastern Standard Time] * SVR:USPTO-EFAX-1/0 * DNIS:8729318 * CSID:2162410816 * DURATION (mm-ss):04-14

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/869,653	
	Filing Date	December 22, 1999	
	First Named Inventor	Kaltenbacher et al.	
	Group Art Unit	2874	
	Examiner Name	Jennifer Doan	
Total Number of Pages in This Submission	13	Attorney Docket Number	21422/04022

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Additional Enclosure(s) (please identify below)
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Or Individual name	Calfee, Halter & Griswold, LLP	Customer No. 24024
Signature		
Date	February 2, 2004	

CERTIFICATE OF FACSIMILE

I hereby certify that this correspondence is being transmitted via facsimile no. 703-872-9318 to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.			
Typed or printed name	Debra L. Hale		
Signature		Date	February 2, 2004

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PTO/SB/17 (10-01)

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FEE TRANSMITTAL for FY 2004 <i>Patent fees are subject to annual revision</i>		<i>Complete if Known</i> Application Number 09/869,653	
		I.A. Filing Date December 22, 1999 First Named Inventor Kaltenbacher et al. Examiner Name Jennifer Doan Group Art Unit 2874 Attorney Docket No. 21422/04022	
TOTAL AMOUNT OF PAYMENT (\$) 55.00			

METHOD OF PAYMENT 1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Deposit Account Number 03-0172 Deposit Account Name Calfee, Halter & Griswold LLP <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input checked="" type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27				FEE CALCULATION (continued) 3. ADDITIONAL FEES																																																																																																																																																														
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Payment Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other				<table border="1"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>150</td><td>205</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>150</td><td>150</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>Extension for reply within first month</td><td>55</td></tr> <tr><td>116</td><td>400</td><td>216</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>920</td><td>217</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,440</td><td>218</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,960</td><td>228</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>219</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>220</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>221</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,280</td><td>241</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,280</td><td>242</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>460</td><td>243</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>620</td><td>244</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>Processing fee under 37 CFR 1.17(d)</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>Submission of Information Disclosure Sheet</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>740</td><td>246</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149</td><td>740</td><td>249</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>179</td><td>740</td><td>279</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="5">Other fee (specify) _____</td></tr> <tr> <td colspan="3"> SUBTOTAL (1) \$ </td> <td colspan="2"> SUBTOTAL (3) (\$)55 </td> </tr> </tbody> </table>				Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid	105	150	205	Surcharge - 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** or number previously paid, if greater; For Reissue, see above

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)**55**

SUBMITTED BY Name (Print/Type) John E. Miller Signature <i>John E. Miller</i>		Registration No. (Attorney/Agent) 26,206	Complete (if applicable) Telephone (216) 622-8679 Date February 2, 2004	
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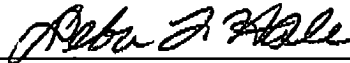
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Debra L. Hale

PATENT

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FEB 02 2004

In re application of: : Kaltenbacher et al.

Title : **FLUORESCENCE BASED LIQUID
CORE WAVEGUIDE**

Serial No. : 09/869,653

Filed: : December 22, 1999

Confirmation No. : 7068

Customer No.: : 24024

Attorney Docket No. : 21422/04022

OFFICIAL

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE

Dear Sir:

In response to the Office Action mailed October 3, 2003, please amend the above-
identified application as follows:

The **claims** as amended herein begin on page 2.

Remarks begin on page 7.